ELSEVIER

Protein Structure & Molecular Enzymology

Vol. 1339, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

BBA is cited in: Current Contents Life Sciences - Biological Abstracts - Chemical Abstracts - Index Chemicus - Index Medicus - CSA Abstracts - Excerpta Medica (EMBASE) - Reference Update - Current Awareness in Biological Sciences (CABS)

Information for Contributors vii

Rapid report

Substitution of lysine for arginine at position 199 of a hypoxanthine phosphoribosyltransferase interferes with binding of the primary substrate to the active site
S.P. Craig III, P.J. Focia and R.J. Fletterick (Puerto Rico, USA) 1

Short sequence-papers

Primary structure of the propeptide and factor VIII-binding domain of bovine von Willebrand factor
N. Janel, A.-S. Ribba, G. Chérel, D. Kerbiriou-Nabias and D. Meyer (France) 4

Cloning of the rat and human mitochondrial branched chain aminotransferases ($BCAT_m$)
R.K. Bledsoe, P.A. Dawson and S.M. Hutson (USA) 9

Regular papers

Three-dimensional structure of maize α-zein proteins studied by small-angle X-ray scattering
N. Matsushima, G.-i. Danno, H. Takezawa and Y. Izumi (Japan) 14

Biochemical and molecular characterization of a manganese peroxidase isoenzyme from *Pleurotus ostreatus*
S. Sarkar, A.T. Martínez and M.J. Martínez (Spain) 23

Kinetic evaluation of β-neoendorphin hydrolysis by the somatic and testicular isozymes of human angiotensin-converting enzyme
M. Hayakari, K. Satoh, K. Ookawa, H. Kano, S. Murakami, N. Ikeda and S. Tsuchida (Japan) 31

Cloning and sequencing of a cDNA for firefly luciferase from *Photuris pennsylvanica*
L. Ye, L.M. Buck, H.J. Schaeffer and F.R. Leach (USA) 39

Difference in interaction of fibronectin with type I collagen and type IV collagen
M. Shimizu, K. Minakuchi, M. Moon and J. Koga (Japan) 53

Cloning, expression, purification, and characterization of the major core protein (p26) from equine infectious anemia virus
A.J. Birkett, B. Yélamos, I. Rodríguez-Crespo, F. Gavilanes and D.L. Peterson (USA, Spain) 62

Calcium-dependent and -independent binding of the pentraxin serum amyloid P component to glycosaminoglycans and amyloid proteins: enhanced binding at slightly acid pH
B. Danielsen, I. Juul Sørensen, M. Nybo, E. Holm Nielsen, B. Kaplan and S.-E. Svehag (Denmark, Israel) 73

Kinetic studies on the oxidation of phenols by the horseradish peroxidase compound II
P.K. Patel, M.S. Mondal, S. Modi and D.V. Behere (India, UK) 79

A nuclear paramagnetic relaxation study of the interaction of the cyclopentanedione substrate with chloroperoxidase
X. Wang and H.M. Goff (USA) 88

One-electron photo-oxidation of reduced *Desulfovibrio vulgaris* flavodoxin on laser excitation at 355 nm
C. El Hanine-Lmoumene, L. Lindqvist and V. Favaudon (France) 97

Hatching enzyme from the sea-squirt *Ciona intestinalis*: purification and properties
A. D'Aniello, M.J. Denucé, M. De Vincentiis, M.M. Di Fiore and S. Scippa (Italy, The Netherlands) 101

Escape mutants of HIV-1 proteinase: enzymic efficiency and susceptibility to inhibition
S.I. Wilson, L.H. Phylip, J.S. Mills, S.V. Gulnik, J.W. Erickson, B.M. Dunn and J. Kay (UK, USA) 113

Influence of actin binding on the conformation of the central segment of the heavy chain of skeletal myosin subfragment 1
B. Pliszka (Poland) 126

Structural and biochemical studies of alcohol dehydrogenase isozymes from *Kluyveromyces lactis*
A. Bozzi, M. Saliola, C. Falcone, F. Bossa and F. Martini (Italy) 133

Acute inflammation, acute phase serum amyloid A and cholesterol metabolism in the mouse
E. Lindhorst, D. Young, W. Bagshaw, M. Hyland and R. Kisilevsky (Canada) 143

Cooperativity: a unified view
L. Acerenza and E. Mizraji (Uruguay) 155

Reactivation strategies by unfolding/refolding of chymotrypsin derivatives after inactivation by organic solvents
G. Soler, A. Bastida, R.M. Blanco, R. Fernández-Lafuente and J.M. Guisán (Spain) 167

Corrigendum

Corrigendum to 'Inhibition of *Escherichia coli* β-galactosidase by 2-nitro-1-(4,5-dimethoxy-2-nitrophenyl) ethyl, a photoreversible thiol label' [Biochim. Biophys. Acta 1293 (1996) 238–242]
R. Golan, U. Zehavi, M. Naim, A. Patchornik and P. Smirnoff (Israel) 176

Information for Contributors *vii*

Short sequence-paper

Cloning and characterization of a protein phosphatase type 1-binding subunit from smooth muscle similar to the glycogen-binding subunit of liver
K. Hirano, M. Hirano and D.J. Hartshorne (USA) 177

Regular papers

Characterization and mutational studies of equine infectious anemia virus dUTPase
H. Shao, M.D. Robek, D.S. Threadgill, L.S. Mankowski, C.E. Cameron, F.J. Fuller and S.L. Payne (USA) 181

Characterization of the affinity of the G_{M2} activator protein for glycolipids by a fluorescence dequenching assay
N. Smiljanic-Georgijev, B. Rigat, B. Xie, W. Wang and D.J. Mahuran (Canada) 192

Identification of β_2-glycoprotein I as a membrane-associated protein in kidney: purification by calmodulin affinity chromatography
D.A. Klærke, R. Røjkjær, L. Christensen and I. Schousboe (Denmark) 203

Characterization of the interaction between β_2-glycoprotein I and calmodulin, and identification of a binding sequence in β_2-glycoprotein I
R. Røjkjær, D.A. Klærke and I. Schousboe (Denmark) 217

Site-specific modification of rabbit muscle creatine kinase with sulfhydryl-specific fluorescence probe by use of hydrostatic pressure
N. Tanaka, T. Tonai and S. Kunugi (Japan) 226

Target size analysis of an avermectin binding site from *Drosophila melanogaster*
A. Pomes, E. Kempner and S. Rohrer (USA) 233

Glutathione alters the mode of calcium-mediated regulation of adenylyl cyclase in membranes from mouse brain
J. Nakamura and S. Bannai (Japan) 239

Structure of membrane glutamate carboxypeptidase
N.D. Rawlings and A.J. Barrett (UK) 247

Acetylcholinesterases from *Elapidae* snake venoms: biochemical, immunological and enzymatic characterization
Y. Frobert, C. Créminon, X. Cousin, M.-H. Rémy, J.-M. Chatel, S. Bon, C. Bon and J. Grassi (France) 253

Purification and characterization of two new cytochrome *P*-450 related to CYP2C subfamily from rabbit small intestine microsomes
Y. Shimizu, E. Kusunose, Y. Kikuta, T. Arakawa, K. Ichihara and M. Kusunose (Japan) 268

High salt concentrations induce dissociation of dimeric rabbit muscle creatine kinase. Physicochemical characterization of the monomeric species
F. Couthon, E. Clottes and C. Vial (France) 277

Characterisation of a xylanolytic amyloglucosidase of *Termitomyces clypeatus*
A.K. Ghosh, A.K. Naskar and S. Sengupta (India) 289

Kinetic study of the suicide inactivation of latent polyphenoloxidase from iceberg lettuce (*Lactuca sativa*) induced by 4-*tert*-butylcatechol in the presence of SDS
S. Chazarra, J. Cabanes, J. Escribano and F. García-Carmona (Spain) 297

Concentration and temperature dependence of viscosity in lysozyme aqueous solutions
K. Monkos (Poland) 304

Efficient purification, characterization and partial amino acid sequencing of two α-1,4-glucan lyases from fungi
S. Yu, T.M.I.E. Christensen, K.M. Kragh, K. Bojsen and J. Marcussen (Denmark) 311

Photoaffinity labeling of peroxisome proliferator binding proteins in rat hepatocytes; dehydroepiandrosterone sulfate- and bezafibrate-binding proteins
H. Sugiyama, J. Yamada, H. Takama, Y. Kodama, T. Watanabe, T. Taguchi and T. Suga (Japan) 321

Effects of profilin–annexin I association on some properties of both profilin and annexin I: modification of the inhibitory activity of profilin on actin polymerization and inhibition of the self-association of annexin I and its interactions with liposomes
M.-T. Alvarez-Martinez, F. Porte, J.P. Liautard and J. Sri Widada (France) 331

Cumulative Contents, Vol. 1339 341

Author Index 343